

~~SECRET~~
(When Filled In)

MONTHLY PROJECT REPORT

ORIGINATOR(S) OC-E		BUDGET EST. FY _____ AMOUNT _____		REPORTING PERIOD 1-30 September 1961
ACTION				
FUTURE	<input checked="" type="checkbox"/> ACTIVE	COMPLETED	CANCELLED	SUSPENDED
PROJECT NUMBER E-5132	PRIORITY CLASS I	PRIM. RESPONSIBILITY SDS	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE AS-3 Automatic Receiving Position				
PROJECT REQUIREMENT Incorporate major available components into a base station system. 25X1A				
PROJECT DESCRIPTION Design and install an Automatic Receiving Position at the [REDACTED] Station consisting of five 5LJ-4 receivers, CU-10 Agency 150 cps IDY signal unit, CV-13B converter, relay control panel and a BT-7 variable speed tape recorder. The system must be capable of automatically activating an alert alarm, starting the BT-7 recorder and keying a answer back transmitter upon receiving the 150 cps IDY signal from the Agent's AT-3 transmitter.				
APPROVAL DATE FEB 1959	APPROVED BY HWK _____ FGI _____		STARTING DATE APRIL 7, 1961	COMPLETION DATE JUNE 1961
REMARKS <p>1. With regard to the immediate requirement to design four two-channel receiving positions, delivery of sufficient recorder and playback equipment from [REDACTED] for one position is expected approximately 15 October. The equipment will help meet the [REDACTED] requirement. 25X1A5a1</p> <p>2. Design of the CP-6 Control Panel was modified to permit activation of the panel by a momentary closure of relay contacts in the CU-10 or CU-11 Control Units; stopping of the recorder would be done, not by the panel, but by the cueing tone on the recorded tape. The prototype panel (CP-6P) was modified and checked out locally. The remaining three panels will be modified as necessary on completion of operational checks to be given the system in the near future. 25X1A</p>				

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3. The two-channel prototype position moved from the R+D Lab to the Engineering Staff Conference Room during the last reporting period and was re-moved to [REDACTED] where it was set up and given preliminary checks by engineering and operations personnel. Several features not now a part of the system were seen as desirable during the test. A small panel-mounting oscilloscope (with pre-set controls) would greatly ease system line-up and checks; peaking adjustments could easily be made while receiving traffic. A small panel mounting loudspeaker would also be useful. Having the recorder transport inoperative until the end of the IDY signal would prevent wasting of tape (and time on playback) and would allow a more desirable "margin" on a 3-minute (at 25 ips) tape when a message is repeated. Increased output and fast forward in the playback unit would also be desirable.

4. At [REDACTED] the CU-11 Control Unit panel in the prototype two-channel system was replaced by the CU-10 panel. (This releases the CU-11 panel to satisfy the [REDACTED] requirement).

5. During the last week of the reporting period a visit was made by Deputy Chief, R+D, and the SEB Project Engineer to [REDACTED] to discuss delivery dates of equipment, additional features on the Spotmaster playback unit (fast-forward and increased output), and the practicability of starting the recorder under load. [REDACTED] has done work on increasing the output of the playback unit amplifier, and plans to investigate the feasibility of adding a fast-forward feature to the playback unit. [REDACTED] believes starting the recorder under load will cause no problems other than additional tape wear at the starting point.

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6. Chief, Engineering Staff has recommended the alarm bell currently planned for the two-channel system be replaced by a gong- or chime-type alarm. [REDACTED] has been asked to provide several models of chime-type alarms for demonstration so that one may be chosen for use with the receiving system.

25X1A5a1

7. Full operational testing of the two-channel system is scheduled to begin on 9 October. The SEB Project Engineer will be at [REDACTED] for consultation and observation of the system for, at least, the first several days of testing.

25X1A6a

8. Initial design work on a ten-channel control panel has been done by Deputy Chief R+D, and the SEB Project Engineer, however, final work on this panel will await completion of system tests involving the CP-6 Control Panel. The ten-channel panel would include automatic activation of a second recorder to accommodate receipt of transmissions from two stations at one time.